Date: Wed, 23 Mar 94 21:40:59 PST

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V94 #322

To: Info-Hams

Info-Hams Digest Wed, 23 Mar 94 Volume 94 : Issue 322

Today's Topics:

2 line elements
ARLB027 Haller to head task force
Cellular Phone
FT5200 Ouestions

Grid Squares & Lat/Long

Grounding and lightning protection--KE4ZV

HAM word origin!...

info NL

QSL info for HS0ZAD

RF and AF speech processors. Was: FT-990 vs TS-850

Swap Meet (2 msgs)

Telecom and Meteors (2 msgs)

Using a cell phone transmitter ??

Who Brian is

Yaesu ft530 question

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

\_\_\_\_\_\_

Date: Sun, 20 Mar 1994 21:20:00 -0500

From: ihnp4.ucsd.edu!pacbell.com!sgiblab!wrdis02.robins.af.mil!gatech!

howland.reston.ans.net!usc!yeshua.marcam.com!news.kei.com!ub! galileo.cc.rochester.edu!ee.rochester.edu!rochgte!UUCP@network.

Subject: 2 line elements To: info-hams@ucsd.edu

Hi I'm a newcommer to the radio. I passed 1A, 2, and 3A on March 19,1994. I would like to receive info on receiving 2 Line satellites for the Soviet and Oscar Satellites. Thanks Brian waiting for his call sign!
\_\_\_ Blue Wave/QWK v2.12

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Date: Tue, 22 Mar 1994 10:44:53 -0700

From: ihnp4.ucsd.edu!usc!yeshua.marcam.com!zip.eecs.umich.edu!

newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu

Subject: ARLB027 Haller to head task force

To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB027 ARLB027 Haller to head task force

ZCZC AG91 QST de W1AW ARRL Bulletin 27 ARLB027

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Date: Wed, 23 Mar 1994 20:30:52 GMT

From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!torn!

news.unb.ca!csd.unb.ca!UNBVM1.CSD.UNB.CA@network.ucsd.edu

Subject: Cellular Phone To: info-hams@ucsd.edu

WANTED used cellular Motorola Flip-Phone.

e-mail: cardoso@unb.ca

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Date: 22 Mar 94 23:37:00 GMT

From: hotmomma!brent!steve.allen@uunet.uu.net

Subject: FT5200 Questions To: info-hams@ucsd.edu

randyh@gvgadg.gvg.tek.com (Randy Hall) writes

>1. Without the separation kit for the front panel, does the panel just pop

>off for security concerns, or do you need a screwdriver to remove it from >the front of the radio?

>2. With the separation kit, panel remoted, does the front panel just pop >off from bracket?

The front panel pops off the radio and the remote bracket without any tools. The cord for the remote bracket screws onto the front of the radio. Screwdriver is required for that operation only.

- >3. What does the bracket that holds the front panel consist of? How >much freedom of mounting and angle adjustments are there? The bracket is hinged, and allows the panel to rotate up and down.
- >4. Where does the external speaker plug into to, the radio or remoted panel? There are 2 speaker jacks on the back of the radio. One for the primary band, one for the secondary band.

-Steve N2WSA <73277.620@compuserve.com>

- - -

. QMPro 1.51 . This information for entertainment purposes only

- - - -

The Brentwood BBS! 12 Nodes (914)-381-1600

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Date: Wed, 23 Mar 1994 20:33:52 GMT

From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!math.ohio-

state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com!news.dtc.hp.com!

hpscit.sc.hp.com!cupnews0.cup.@ihnp4.ucsd.edu

Subject: Grid Squares & Lat/Long

To: info-hams@ucsd.edu

Jay Sissom (JAY@medicine.dmed.iupui.edu) wrote:

: Hello!

: I recently borrowed a GPS device to calculate my Latitude & Longitude. I

: found a couple of basic programs on Compuserve to calculate my grid square

: from this info. Either something is wrong with the program, or something is

: wrong with the ARRL map in one of their books. Here is my lat/long:

: Lattitude: 39' 39.303 N : Longatude: 89' 10.550 W

: When I feed these numbers into the programs, I get EM59JP. When I look on the

: map, EM59 is in Illinois and I live in Indianapolis, IN. Is the map wrong, or

: is the basic program wrong?

No, Inidiana was recently purchased by Illinois for future expansion. Your

program correctly shows the recent changes.

Jim, WA6SDM

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Date: Wed, 23 Mar 1994 21:12:12 GMT

From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!emory!swrinde!sgiblab!

cs.uoregon.edu!reuter.cse.ogi.edu!hp-cv!hp-pcd!hpcvsnz!tomb@network.ucsd.edu

Subject: Grounding and lightning protection--KE4ZV

To: info-hams@ucsd.edu

Re: lightening strikes to ground rods, etc.

Gotta be a little careful assuming things stay linear at power levels like lightening can deliver. 4000 amps \* 200 ohms is 800kV, and that's got a pretty good probability of ionizing the surrounding material, yielding a dynamic resistance that could be a small fraction of an ohm (or even negative), disallowing such a high potential drop.

## 73, K7ITM

(Used to work in one group that generated kiloamp sparks with nanosecond and sub-millimeter precision, and another that went around dropping field mills through thunder storms.)

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Date: Wed, 23 Mar 1994 18:19:09 GMT

From: ihnp4.ucsd.edu!swrinde!emory!news-feed-2.peachnet.edu!concert!

unccsun.uncc.edu!usenet@network.ucsd.edu

Subject: HAM word origin!...

To: info-hams@ucsd.edu

CIn article <763065386snx@skyld.grendel.com> jangus@skyld.grendel.com (Jeffrey D. Angus) writes:

C>

C>In article <CM25Hs.L3I@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu writes:

C> >

C> > COMPTON (Reuters) - Police psychologists today were extremely puzzled

C> > as to why a Compton man, identified as Jeffrey Angus, had stopped

C> > northbound traffic on the Santa Ana freeway by running along side

C> > .......

C> > Story compiled by Jeff NH6IL

C>

C> If you're going to engage yourself in this nonsense, at least take the

C> time to come up with something original.

С

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CHa ha - I see you deleted what you wrote about me (something about a
C'deranged professor blowing up a restroom' - so who started this
C`nonsense', Angus? When are you going to learn that if you post
Csomething about me I'll post back?
CI've got to go find what you originally posted that prompted me to write
Cabove. What's that old expression? 'You can dish it out but you can't
Ctake it'? When you finish, so will I.
C> But thanks for playing. Even lame-flamers need some encouragement from
C> time to time.
С
CYeah, your 'body parts' newspaper article was rather lame.
C> Nice try with the 435 inuendo. I even sent you e-mail about that. Do you
C> think I would lie to you about where I operate? Ask Dana.
CBut you've got the .435 personality! Speaking of inuendos, do you actually
Cbelieve that I'd blow up a restroom with plastic explosives? You've been
Cbreathing too much of that Compton smog (oxygen starvation).
CMy offer still stands: Let's take this to email so the rest of the good folks
Con .misc don't get pissed. This has REALLY gotten boring and childish.
C73 Jeff#2 (The SLOW Learner),
CJeff#1 NH6IL
Date: Sun, 20 Mar 1994 21:13:00 -0500
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!wrdis02.robins.af.mil!gatech!
howland.reston.ans.net!usc!yeshua.marcam.com!news.kei.com!ub!
galileo.cc.rochester.edu!ee.rochester.edu!rochgte!UUCP@network.
Subject: info
To: info-hams@ucsd.edu
Help, I received my certificate on successful completion of examination
for technicianw/HF.
___ Blue Wave/QWK v2.12
Date: Sun, 20 Mar 1994 21:23:00 -0500
From: ihnp4.ucsd.edu!mvb.saic.com!news.cerf.net!usc!yeshua.marcam.com!
news.kei.com!ub!galileo.cc.rochester.edu!ee.rochester.edu!rochgte!
UUCP@network.ucsd.edu
Subject: NL
To: info-hams@ucsd.edu
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Looking for info for receiving The Netherlands Radio via Shortwave.
___ Blue Wave/QWK v2.12
Date: Wed, 23 Mar 1994 18:54:27 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
library.ucla.edu!whirlwind!tornado.seas.ucla.edu!pwang@network.ucsd.edu
Subject: QSL info for HS0ZAD
To: info-hams@ucsd.edu
Date: Wed, 23 Mar 1994 14:57:54 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-
state.edu!cyber2.cyberstore.ca!nwnexus!jhgrud!eskimo!wrt@network.ucsd.edu
Subject: RF and AF speech processors. Was: FT-990 vs TS-850
To: info-hams@ucsd.edu
<2ml9q1$25h@hplvec.lvld.hp.com> <2mn2rd$ol0@vixen.cso.uiuc.edu>
<cowart.764364068@neptune>
Organization: Eskimo North (206) For-Ever
In article <cowart.764364068@neptune>,
Michael Cowart < cowart@convex.com> wrote:
>ignacy@ux2.cso.uiuc.edu (Ignacy Misztal) writes:
>>It seems that the SSB quality depends on 3 factors:
>>1. Passband characteristics of the AF chain (including the
microphone),
>>2. IMD of the PA,
>>3. Type of processing, audio or RF?
>You are forgetting probably the most important factor, the voice
characteristics
>of the operator. I recently sold a radio to a friend of mine. During
>five years I had it, I consistantly got unsolicited comments on how
GOOD
>my audio sounded. My friend is always getting complaints on his.
>I have heard him on a TS520, TS430, and now the Yaesu FT980 (not 990)
>His voice sounds like, well like it is being compressed.
>I have a resonating, full "FM" sounding voice. He doesn't.
>Voices are like faces, everyone would rather look at a pretty face
```

>than an ugly one (unfortunately, his face is prettier than mine hi hi),

```
>and when you hear a good-sounding voice, you ususally will compliment
it.
>I know the purist (real ones and those who think they are) will take
exception
>to this, but most commercially available radios have similar TX
charactersitics.
>Yes, RF processors are superior than most AF ones, but in the 32 years
>been hamming, I have found that voice characteristics determine who
>unsolicited compliments.
>my $.02 worth
>Mike WA5CMI
>Extra Class since 1973
>5-band WAS, WAZ, DXCC (303 cfmd)
>Ragchewer
>Electrical Engineer, CONVEX Computer Corp.
>The opinions are mine alone, not my employer's
>
```

Certainly true about the voice characteristics, but when a rig changes locations and starts getting poor audio complaints, one might want to be sure there is no "RF in the mike" syndrome present. Major RF levels will be obvious, but low levels might not. SSB is especially sneaky since the distortion only occurs on voice peaks, not the whole signal.

```
73 es gl
Bill Turner, W7LZP
wrt@eskimo.com
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Date: Sun, 20 Mar 1994 21:29:00 -0500

From: ihnp4.ucsd.edu!pacbell.com!sgiblab!wrdis02.robins.af.mil!gatech!

howland.reston.ans.net!usc!yeshua.marcam.com!news.kei.com!ub! galileo.cc.rochester.edu!ee.rochester.edu!rochgte!UUCP@network.

Subject: Swap Meet
To: info-hams@ucsd.edu

TO:rec.radio.amateurequipment

I'm looking for swap meets in California that have a lot of Ham Equipment.

## \_\_\_ Blue Wave/QWK v2.12

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Date: 23 Mar 1994 21:20:47 GMT

From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!emory!swrinde!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!sookit!rspear@network.ucsd.edu

Subject: Swap Meet To: info-hams@ucsd.edu

BRIAN FRAZIER (BRIAN.FRAZIER@f301.n216.z1.fidonet.org) wrote:

: TO:rec.radio.amateurequipment

: I'm looking for swap meets in California that have a lot of Ham Equipment.

: \_\_\_ Blue Wave/QWK v2.12

california's pretty big, brian . . . you got any particular area you are interested in?

regards, richard

rspear@sookit.jpl.nasa.gov
all disclaimers apply

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Date: 23 Mar 94 20:09:19 GMT

From: ihnp4.ucsd.edu!pacbell.com!sgiblab!rpal.rockwell.com!headwall.Stanford.EDU!

abercrombie.Stanford.EDU!paulf@network.ucsd.edu

Subject: Telecom and Meteors

To: info-hams@ucsd.edu

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>If you use digital burst communications, and good FEC, you can take advantage >of the constant supply of short pings available from micrometeoriods.

Actually, there's some question as to the utility of FEC for MBC systems. Since trail dissipation is a rapid exponential process, signals tend to fall below threshold, on average, in the middle of packets; the required overhead to correct half a packet is quite large, and since one could potentially use those overhead bits to send real information, you're much better off with some sort of a selective retransmission system.

-=Paul Flaherty, PhD

The Enemy of the Good is the Better."

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->paulf@Stanford.EDU (N9FZX) | -- Gen. William "Wild Bill" Donovan
Date: Wed, 23 Mar 1994 17:42:58 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!news.intercon.com!psinntp!psinntp!psinntp!arrl.org!
zlau@network.ucsd.edu
Subject: Telecom and Meteors
To: info-hams@ucsd.edu
Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <1994Mar23.000101.38868@rs6000.cmp.ilstu.edu>
cdfore@rs6000.cmp.ilstu.edu (Curt Fore) writes:
: >
      Help!! I'm Looking for info on using meteors to bounce signals for
: >telecommunication. I saw a show in January on it. I have to write a
: >paper on something in telecommunication and as you can see my writing sucks.
: >But I think if I can get some info about something my prof has not hear
: >of it will help. So is there anyone out there with info or know how I can get
: >some.
: We're talking about the constant rain of micrometeoroids here, not the
: big visible ones. Individual "pings" are short, but there's a constant
: source of them. Hams who work meteor scatter tend to wait for the big
: meteor storms and use the longer, and rarer, pings off the larger trails,
: but that's not necessary. Only if you use analog voice or hand keyed
: Morse are the longer pings needed. If you use digital burst communications,
Long bursts are also needed for AX.25 packet. I don't believe amateurs
have actually developed an optimized data system to take advantage of
                 I'd estimate that there are approximately 0 data
meteor scatter.
links in the amateur service that rely on meteor scatter right now.
I suspect that amateurs are still busy working on other options that
seem offer more capability.
: and good FEC, you can take advantage of the constant supply of short pings
: available from micrometeoriods.
Zack Lau KH6CP/1
                          2 way QRP WAS
                         8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz
______
```

Date: Wed, 23 Mar 1994 18:53:35 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!news.csuohio.edu!

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garfield.csuohio.edu!mike@network.ucsd.edu
Subject: Using a cell phone transmitter ??
To: info-hams@ucsd.edu
edward@cs.ualberta.ca (Edward Mantey) writes:
: Has anybody here experimented with using the transmitter section
: of a cell phone. Can the xmitter section be effectively isolated
: from the rest of the phone or is the typical cell unit highly
: integrated. I've never opened one up (yet :) so I'm interested
: in any comments, speculations, experiences etc.
So, what do you plan to do with just the transmitter?
Make an RF handwarmer? :-)
^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v Catch the WAVE ^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v^v
Michael Mayer, Senior Technical Support Engineer Amateur Radio KB8RJ0
Visual Numerics, Inc. 32915 Aurora Rd. Suite 160, Solon OH 44139 USA
Email: mayer@boulder.vni.com Human: 216-248-4900
                                                 Fax: 216-248-2733
Date: 23 Mar 94 23:17:03 GMT
From: news-mail-gateway@ucsd.edu
Subject: Who Brian is
To: info-hams@ucsd.edu
Date: Wed, 23 Mar 94 06:32:55 GMT
From: netcomsv!netcomsv!skyld!jangus@decwrl.dec.com
Subject: Jeff Herman wins the Net Nazi award.
To: info-hams@ucsd.edu
In article <2mnc9q$aht@network.ucsd.edu> brian@nothing.ucsd.edu writes:
 > Ironic that *I* should be saying this.
           - Brian
Then jangus@skyld.grendel.com writes
```

>Take a valium and chill out Brian. Ironic indeed. Why not do us all a >favor and cancel all the pissing, moaning and baseless whining over on

>rec.radio.amateur.policy while you're at it.

>Besides, who appointed you the moderator for the news group?

## Now I say:

Perhaps someone should explain to Jeff who Brian is, what Brian stands for, and why, if Brian decides it should be so, almost no one will be able to hear him. I'd do it, but it might be more fun to watch Jeff squirm a little...

Alan Cook N7CEU

Alan Cook, N7CEU

Alan\_V.\_Cook@ccmail.anatcp.rockwell.com

\_\_\_\_\_

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Date: Wed, 23 Mar 1994 20:50:43 GMT

From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!

howland.reston.ans.net!gatech!concert!unccsun.uncc.edu!usenet@network.ucsd.edu

Subject: Yaesu ft530 question

To: info-hams@ucsd.edu

I'm new to ham radio and this news group, so bear with me if this question has already been answered many times.

Question: When jumper 13 is removed, will the FT530 receive cellular (800 MHz)? Yes, I know this is or will soon be illegal.

Thanks in advance.

Jerre M. Hill UNC-Charlotte

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Date: Wed, 23 Mar 1994 16:25:57 GMT

5 decented / 20 mar 1991 20120107 dim

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!

news.intercon.com!psinntp!psinntp!psinntp!arrl.org!zlau@network.ucsd.edu

To: info-hams@ucsd.edu

References <19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>, <2ml9q1\$25h@hplvec.lvld.hp.com>, <2mn2rd\$olo@vixen.cso.uiuc.edu> Subject : Re: RF and AF speech processors. Was: FT-990 vs TS-850 Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:

- : It seems that the SSB quality depends on 3 factors:
- : 1. Passband characteristics of the AF chain (including the microphone),
- : 2. IMD of the PA,
- : 3. Type of processing, audio or RF?
- : I am wondering why the QST reviews do not mention the type of processing,  $\ensuremath{\mathsf{I}}$
- : which has a large effect on signal quality. Signals with audio processing
- : have higher content of AF harmonics, and are subsequently less efficient

I don't understand why audio processing has to result in more audio harmonics. Aren't there digital signal processing algorithms that could prevent this effect? Even before DSP, didn't people use split band audio processing to reduce the content of harmonics?

: (3db?) and more difficult to tune. All cheaper rigs such as IC 725-737,

: FT 747-757, TS 430-450 use AF processing. IC 751-, FT990-, TS 830-

: use RF processing. I am not sure about the rest.

- -

Zack Lau KH6CP/1 2 way QRP WAS

8 States on 10 GHz

Internet: zlau@arrl.org 10 grids on 2304 MHz

\_\_\_\_\_

Date: (null)
From: (null)

SB QST ARL ARLB027

ARLB027 Haller to head task force

FCC Private Radio Bureau Chief Ralph Haller has been named to head a Commission task force on personal communications services (PCS).

The Commission said that the task force would provide ''a focal point for all of the PCS issues currently before'' it. The task force would work with all of the FCC's bureaus and offices that are involved in PCS issues, and would be responsible ''for assuring consistency between policies and rules for narrow-band and wide-band PCS.''

FCC Chairman Reed Hundt said that ''I am confident that under the leadership of Ralph Haller, the PCS task force will lead the Commission in the timely development of a comprehensive regulatory framework for PCS.''

Other members of the task force include Tom Stanley, Chief Engineer;

Robert Pepper, Chief, Office of Plans and Policy; Donald Gips, Deputy Chief, Office of Plans and Policy; and Michael Katz, Chief Economist.

NNNN /EX

Date: Wed, 23 Mar 1994 21:28:56 GMT

From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!

taurus.cs.nps.navy.mil!news@network.ucsd.edu

To: info-hams@ucsd.edu

References <2ml9pa\$el4@dartvax.dartmouth.edu>, <Cn3Czx.7qy@srgenprp.sr.hp.com>,

<Cn4K7I.ICo@inmet.camb.inmet.com>ws
Reply-To : rovero@oc.nps.navy.mil

Subject : Re: Sonobuoys

>Kenneth E. Harker (Kenneth.E.Harker@Dartmouth.Edu) wrote:

>> we were to somehow activate the third, sealed buoy, and it's battery

>> still functioned, what sort of signal does it put out, and is there any

>> way we could monitor it? Alternatively, does anyone know what sort of

>> radios these things have in them? Are they useful for anything other

>> than sonobuoys? What would they be worth?

>

>

Please be \*extremely careful\* with this device. The main battery is seawater activated, and there is a inflatable collar float that inflates and an antenna that is extended when it enters the water (actually, when two pins on the body of the sonobuoy are shorted). You don't want to be holding the device when this happens!

The signal is 1W, VHF-FM, transmit only. Old ones had a single channel, newer ones can select one of 99 channels (synthesized).

Be careful! And don't transmit out of band for whatever services you are licensed for.....

P.J. Rovero Internet: rovero@oc.nps.navy.mil

Code OC/Rv Packet: kk1d@k6ly

Naval Postgraduate School

Monterey, CA 93943

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End of Info-Hams Digest V94 #322 \*\*\*\*\*\*\*\*\*\*\*\*

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